

Title (en)
AN AGLUCONE ISOFLAVONE ENRICHED VEGETABLE PROTEIN CONCENTRATE AND PROCESS FOR PRODUCING

Title (de)
EIN AGLUKON ISOFLAVON ANGEREICHERTES PFLANZENPROTEINKONZENTRAT UND EIN VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
CONCENTRE DE PROTEINE VEGETALE ENRICHI EN AGLUCONES ISOFLAVONES ET METHODE DE PRODUCTION

Publication
EP 0794960 B1 20020116 (EN)

Application
EP 94929287 A 19940921

Priority
• US 9410696 W 19940921
• US 13519493 A 19931012

Abstract (en)
[origin: WO9510529A1] Aglucone isoflavone enriched protein concentrates and processes for producing and recovering are disclosed. The process comprises an isoelectric wash of a vegetable protein material to provide a protein concentrate, which is slurried and reacted with a sufficient amount of beta-glucosidase enzyme or esterase enzyme for a time period, temperature, and pH sufficient to convert at least a majority of the glucone isoflavones contained in the concentrate to aglucone isoflavones.

IPC 1-7
C07K 1/30; **C07K 1/36**; **C07K 14/415**; **C12P 17/16**

IPC 8 full level
A23J 3/14 (2006.01); **A23J 3/34** (2006.01); **C07D 311/36** (2006.01); **C07K 1/02** (2006.01); **C07K 1/14** (2006.01); **C07K 1/30** (2006.01); **C07K 1/36** (2006.01); **C07K 14/415** (2006.01); **C12P 17/06** (2006.01); **C12P 17/16** (2006.01)

CPC (source: EP US)
C07K 14/415 (2013.01 - EP US); **C12P 17/06** (2013.01 - EP US)

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
WO 9510529 A1 19950420; AU 696553 B2 19980910; AU 7839994 A 19950504; BR 9407820 A 19970506; CA 2174120 A1 19950420; CN 1055931 C 20000830; CN 1135222 A 19961106; DE 69429673 D1 20020221; DE 69429673 T2 20020905; DE 69429673 T3 20070823; EP 0794960 A1 19970917; EP 0794960 A4 19981125; EP 0794960 B1 20020116; EP 0794960 B2 20060315; JP 3777389 B2 20060524; JP H09506076 A 19970617; KR 100302695 B1 20011130; RU 2151775 C1 20000627; TW 491851 B 20020621; US 5637562 A 19970610

DOCDB simple family (application)
US 9410696 W 19940921; AU 7839994 A 19940921; BR 9407820 A 19940921; CA 2174120 A 19940921; CN 94194200 A 19940921; DE 69429673 T 19940921; EP 94929287 A 19940921; JP 51181995 A 19940921; KR 19960701886 A 19960412; RU 96109381 A 19940921; TW 83110889 A 19941123; US 30775196 A 19960412